

FIG.5A

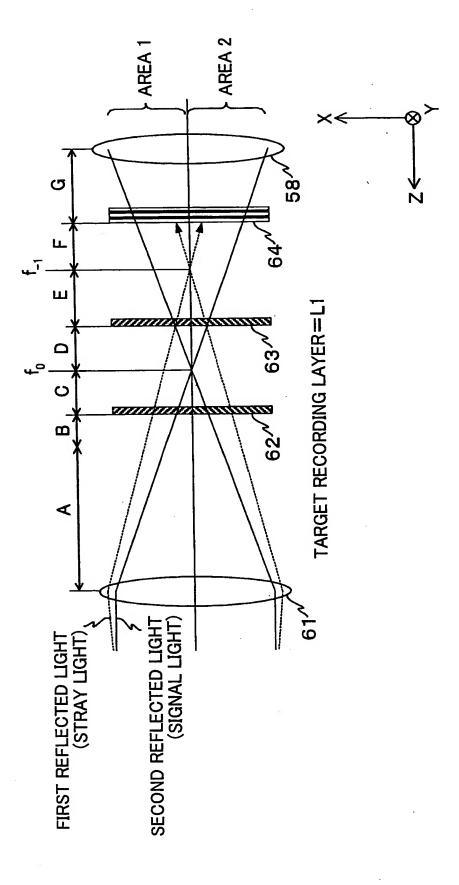


FIG.5B

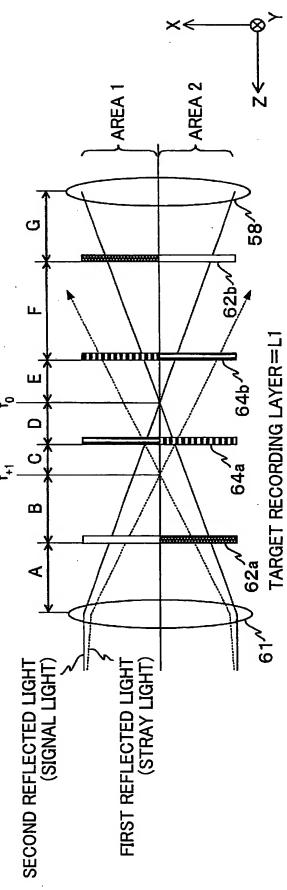


FIG.50

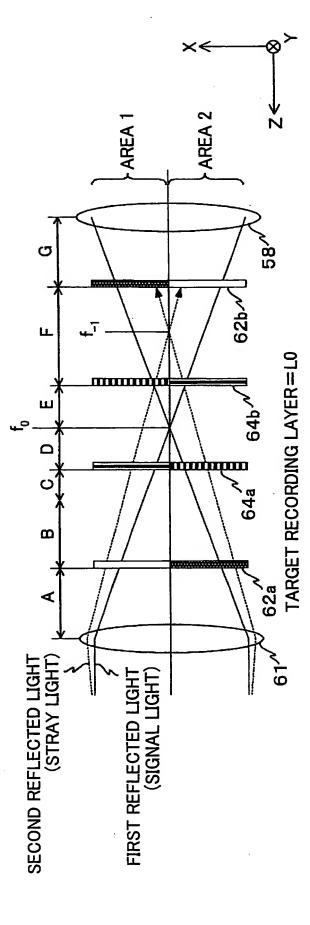
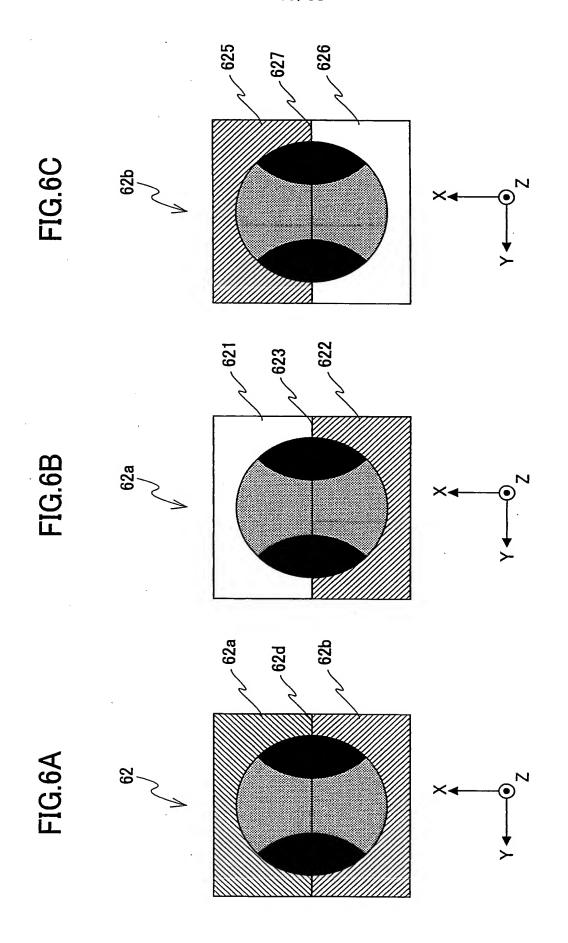
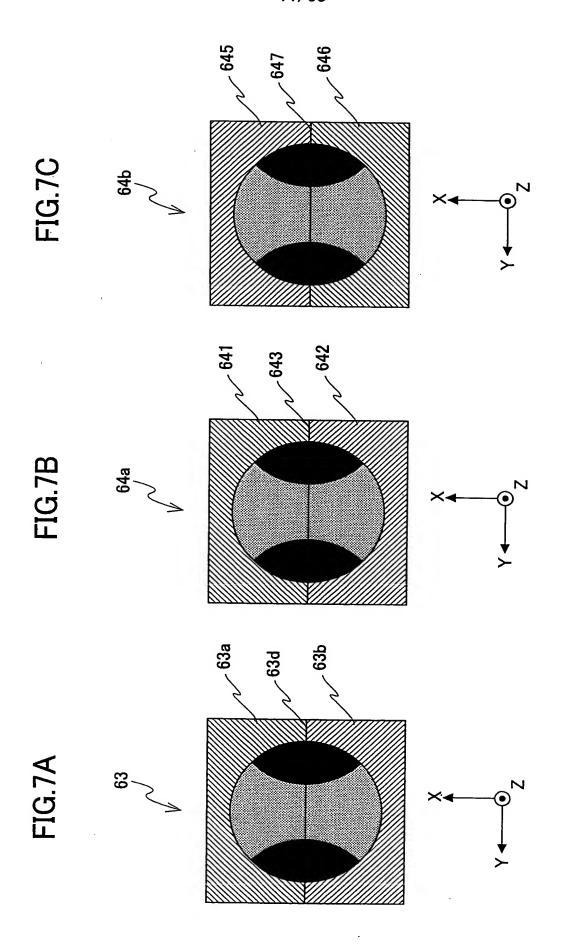


FIG 5D





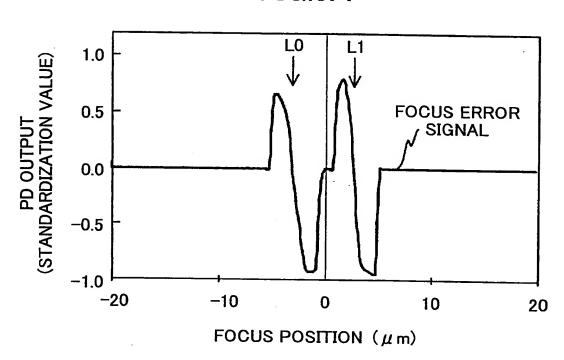
# FIG.8A

7	g	S	S	1	1	[	į	S	S
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	Ξ	S	S	Ь	d	Ь	ď	S	S
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OPTICA	ပ	æ	٦	R	ļ	Ж	٦	æ	7
	В	S	S	S	S	S	S	S	S
	∢	S	S	S	ဟ	S	S	ဟ	S
		AREA 1	AREA 2	AREA 1	AREA 2	AREA 1	AREA 2	AREA 1	AREA 2
ВЕАМ		FIRST DEEL COTED I ICUT	(SIGNAL LIGHT)	SECOND DEEL COTED LICUT	(STRAY LIGHT)	FIRST PEET FOTED 1 TOUT	(STRAY LIGHT)	SECOND	(SIGNAL LIGHT)
TARGET	LAYER		FIRST	LAYER			SECOND	LAYER	

## FIG.8B

	ၓ	S	S	ı	I	ļ	į	S	S
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	Е	Ь	S	S	Ь	1	1	O.	S
L PATH	D	S	д	S	Ъ	I	l	S	۵
OPTICA	၁	S	۵	S	۵	۵	S	S	Ъ
	В	S	۵	S	۵.	S	۵	S	Ь
	A	S	S	S	S	S	S	S	S
		AREA 1	AREA 2	AREA 1	AREA 2	AREA 1	AREA 2	AREA 1	AREA 2
ВЕАМ		FIRST	FIRST REFLECTED LIGHT (SIGNAL LIGHT) SECOND REFLECTED LIGHT		(STRAY LIGHT)	FIRST	(STRAY LIGHT)	SECOND	(SIGNAL LIGHT)
TARGET	RECORDING LAYER		FIRST	RECORDING -			SECOND	KECOKUING	

FIG.9A





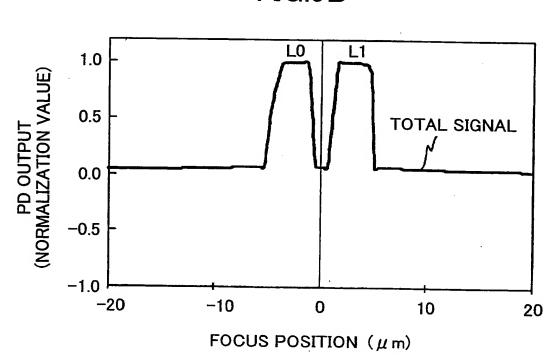


FIG.10A

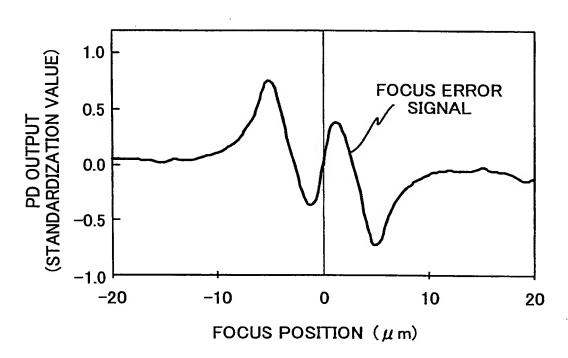
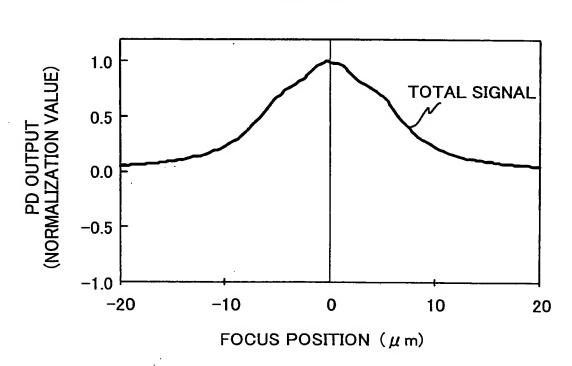


FIG.10B



**FIG.11** 

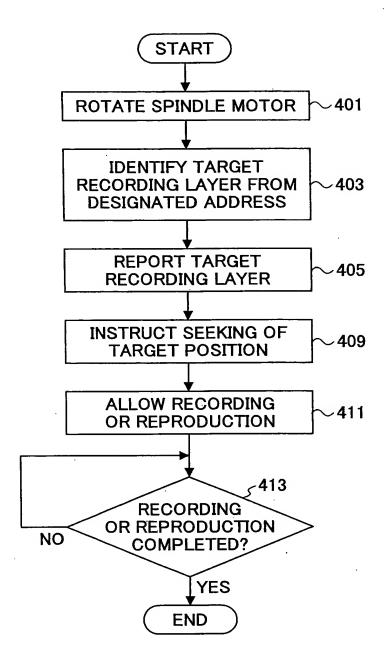


FIG.12A

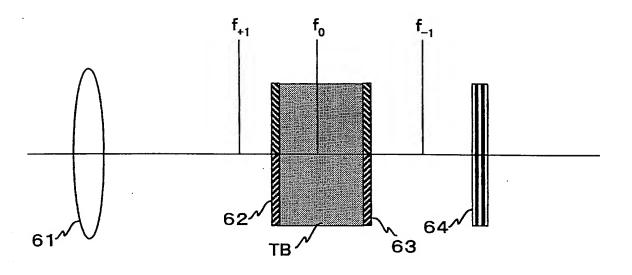


FIG.12B

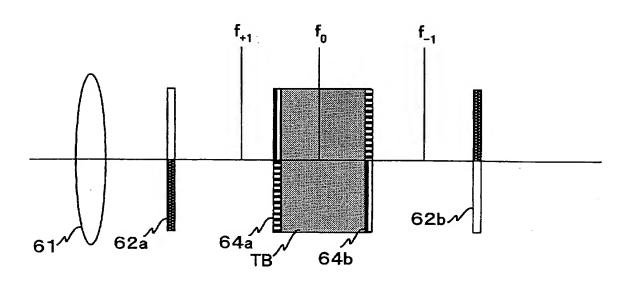


FIG.13A

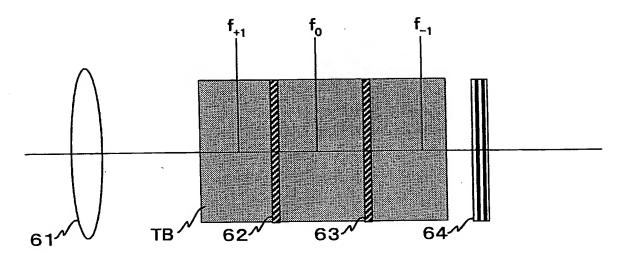
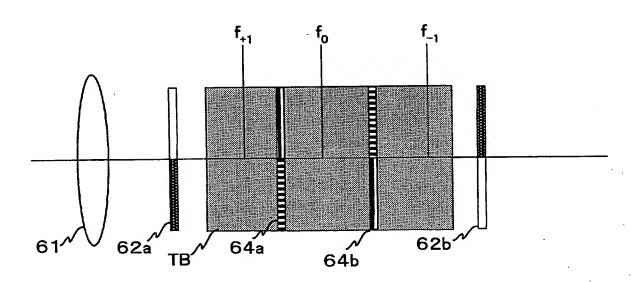


FIG.13B



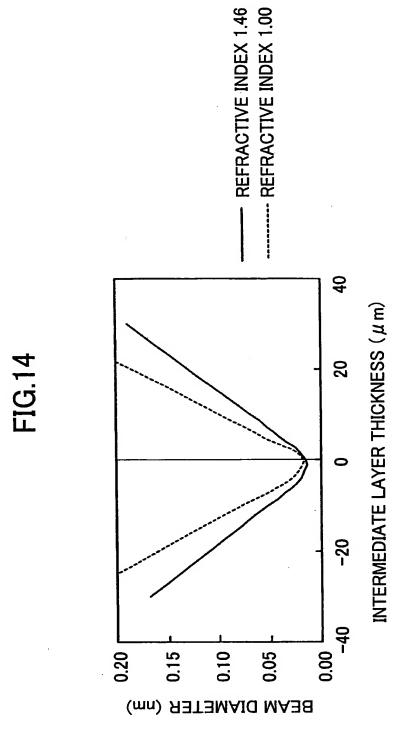


FIG.15A

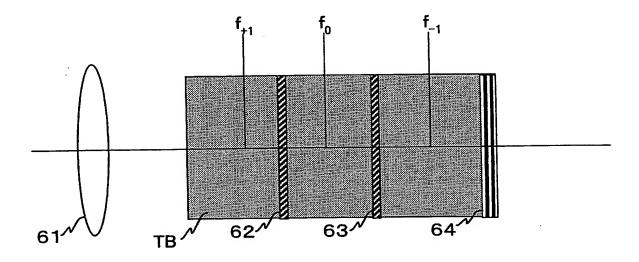


FIG.15B

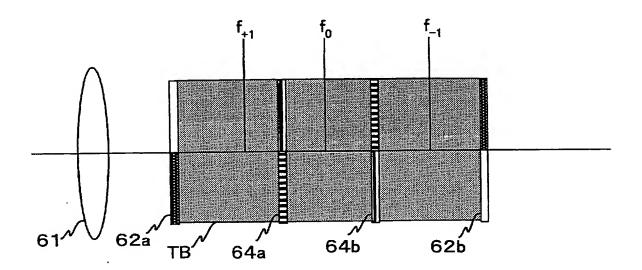


FIG.16A

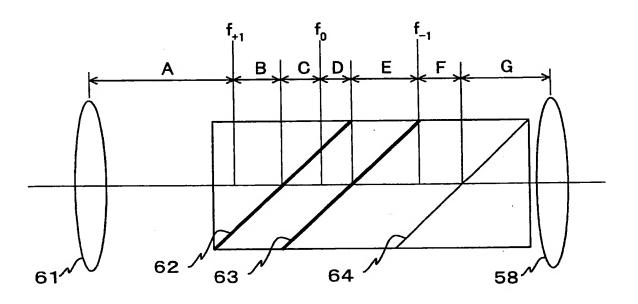


FIG.16B

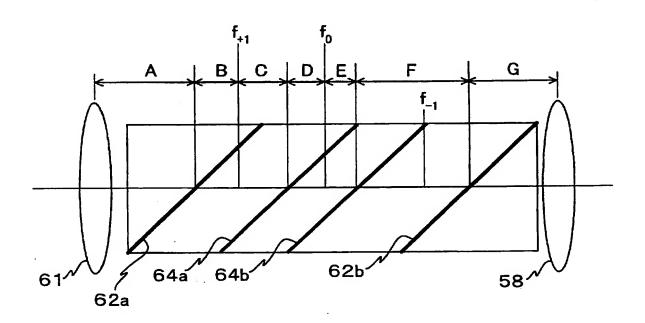


FIG.17A

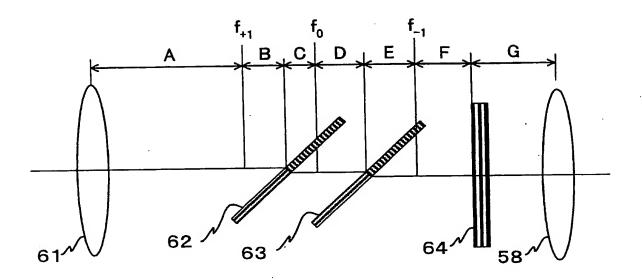


FIG.17B

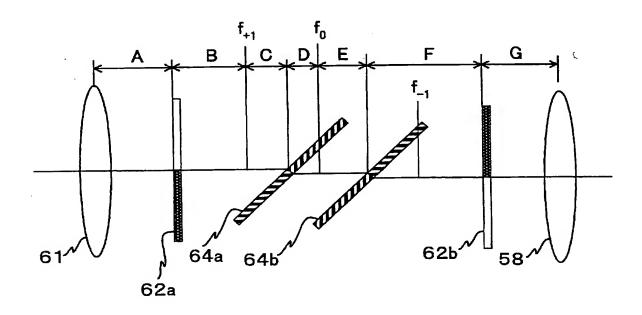


FIG.18A

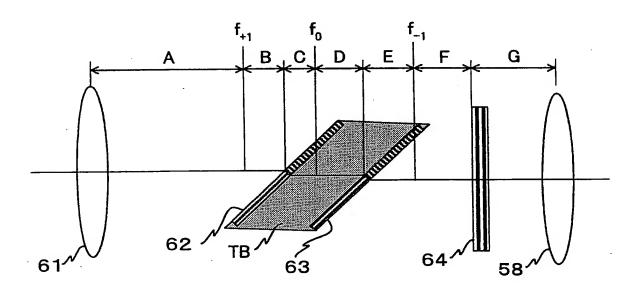
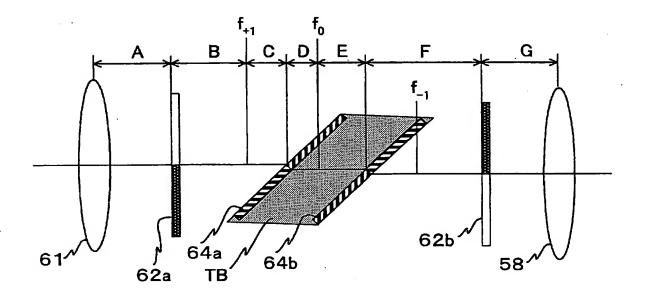
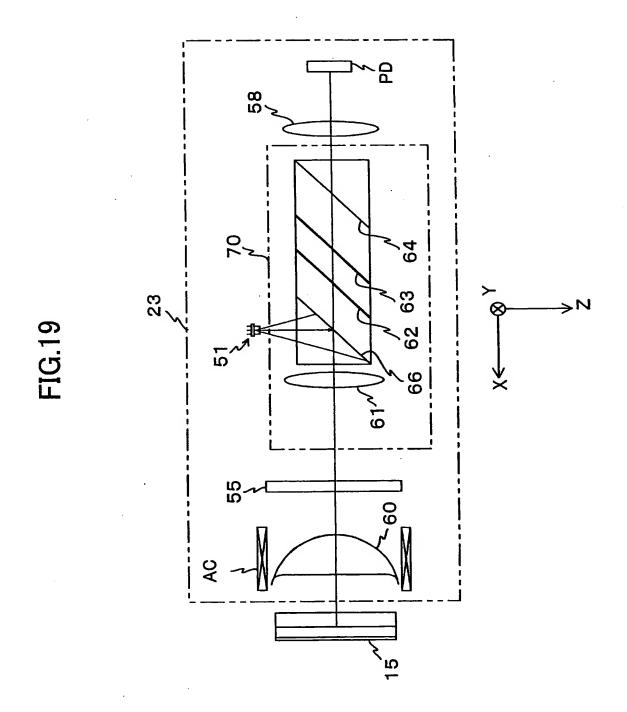


FIG.18B

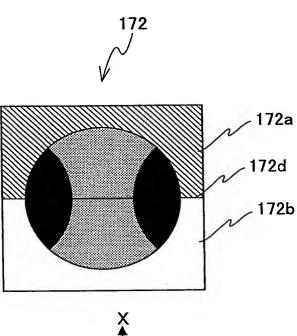


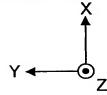


# FIG 20

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OPTICAL	S	Ж	T	R	٦	R	7	æ	J
	В	S	S	S	S	S	S	S	S
	∀	S	S	S	S	S	S	S	S
		AREA 1	AREA 2	AREA 1	AREA 2	AREA 1	AREA 2	AREA 1	AREA 2
BEAM		FIRST	(SIGNAL LIGHT)	SECOND BEET ECTED I TOUT	(STRAY LIGHT)	FIRST DEEL COTED LIGHT	(STRAY LIGHT)	SECOND	(SIGNAL LIGHT)
TARGET	LAYER		FIRST	LAYER	*		SECOND	LAYER	

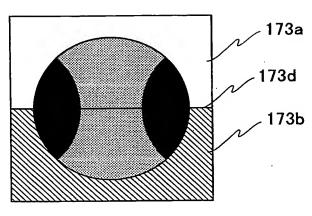
**FIG.21** 

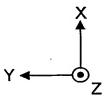




**FIG.22** 







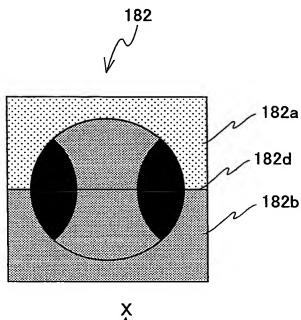
### FIG.23

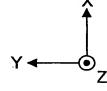
				— Т					
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L PATH	D	S	Ь	а	S	<u>а</u>	ဟ	S	ட
OPTICAL	O	В	S	Ф	S	Ф	S	۵	S
	В	S	S	S	S	S	S	S	S
	4	S	S	S	S	S	S	S	S
		AREA 1	AREA 2	AREA 1	AREA 2	AREA 1	AREA 2	AREA 1	AREA 2
ВЕАМ		FIRST	FIRST REFLECTED LIGHT (SIGNAL LIGHT) SECOND REFLECTED LIGHT		REFLECTED LIGHT (STRAY LIGHT)	FIRST	REFLECTED LIGHT (STRAY LIGHT)	SECOND	REFLECTED LIGHT (SIGNAL LIGHT)
TARGET	RECORDING		FIRST	RECORDING -	Í		SECOND	RECORDING -	Ś

### FIG.24

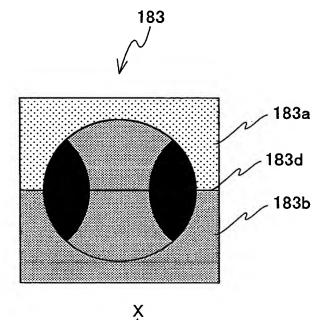
	5	Ъ	Ъ	1	ı	1	ł	Ъ	௳
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L PATH	۵	S	Д	Ь	S	Ъ	S	S	٩
OPTICA	ပ	a.	S	Ь	S	Ь	S	Д	S
	В	S	S	S	S	S	S	S	S
	4	S	S	S	S	S	S	S	S
		AREA 1	AREA 2	AREA 1	AREA 2	AREA 1	AREA 2	AREA 1	AREA 2
ВЕАМ		FIRST	REFLECTED LIGHT (SIGNAL LIGHT)	SECOND	REFLECTED LIGHT (STRAY LIGHT)	FIRST	REFLECTED LIGHT (STRAY I IGHT)	SECOND	REFLECTED LIGHT (SIGNAL LIGHT)
TARGET	RECORDING LAYER	1215	FIRST	RECORDING -	<u> </u>		SECOND	RECORDING	

**FIG.25** 





**FIG.26** 



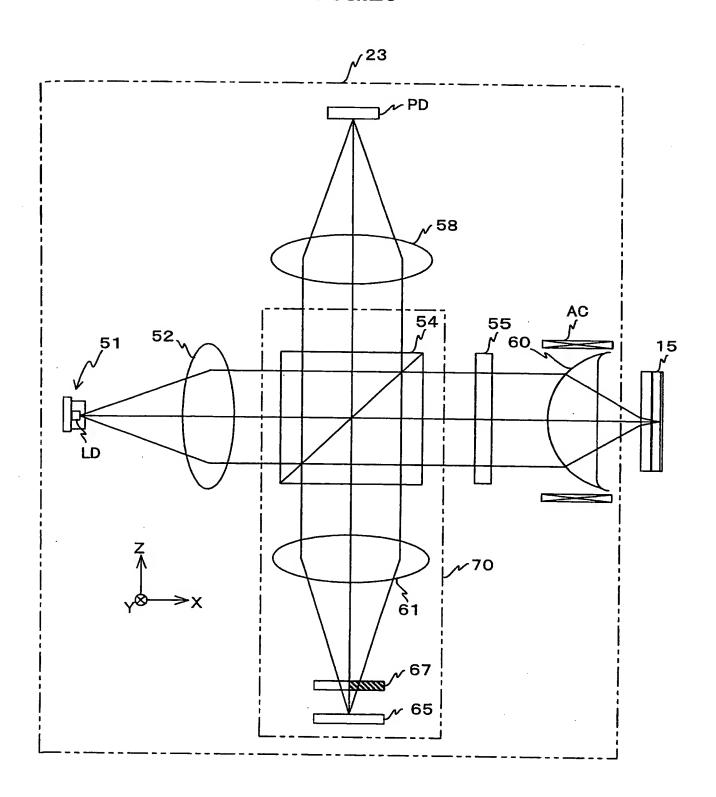
#### FIG 97

TARGET					OPTICA	OPTICAL PATH			
	BEAM		4	ω	ပ	Q	Ш	Ŀ	ၓ
	FIRST PELI FOTER I JOHET	AREA 1	0	0	+45	-45	0	0	0
	(SIGNAL LIGHT)	AREA 2	0	0	-45	+45	0	0	0
KECORDING - LAYER	SECOND	AREA 1	0	0	+45	+45	06+	+90	1
	(STRAY LIGHT)	AREA 2	0	0	-45	-45	06-	-90	1
	FIRST	AREA 1	0	0	+45	+45	06+	-90	_
	(STRAY LIGHT)	AREA 2	0	0	-45	-45	06-	+90	ļ
LAYER	SECOND	AREA 1	0	0	+45	-45	0	0	0
	(SIGNAL LIGHT)	AREA 2	0	0	-45	+45	0	0	0

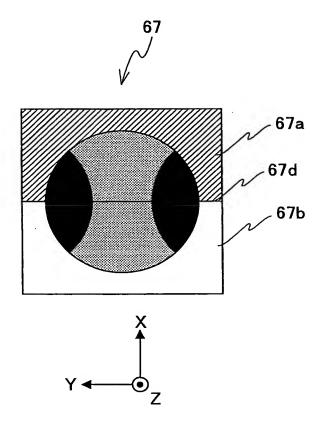
#### FIG.28

TARGET					OPTICA	OPTICAL PATH			
RECORDING LAYER	BEAM		4	В	S	O ·	ш	4	IJ
	FIRST	AREA 1	0	0	+45	-45	06-	-90	06-
FIRST	(SIGNAL LIGHT)	AREA 2	0	.0	-45	+45	+90	+90	1
RECORDING LAYER	SECOND	AREA 1	0	0	+45	+45	0	0	ı
	REFLECTED LIGHT (STRAY LIGHT)	AREA 2	0	0	-45	-45	0	0	ı
	FIRST	AREA 1	0	0	+45	+45	0	0	ļ
SECOND	REFLECTED LIGHT (STRAY LIGHT)	AREA 2	0	0	-45	-45	0	0	1
RECORDING LAYER	SECOND	AREA 1	0	0	+45	-45	06-	- 06-	06-
	(SIGNAL LIGHT)	AREA 2	0	0	-45	445	06+	06+	I

FIG.29



**FIG.30** 



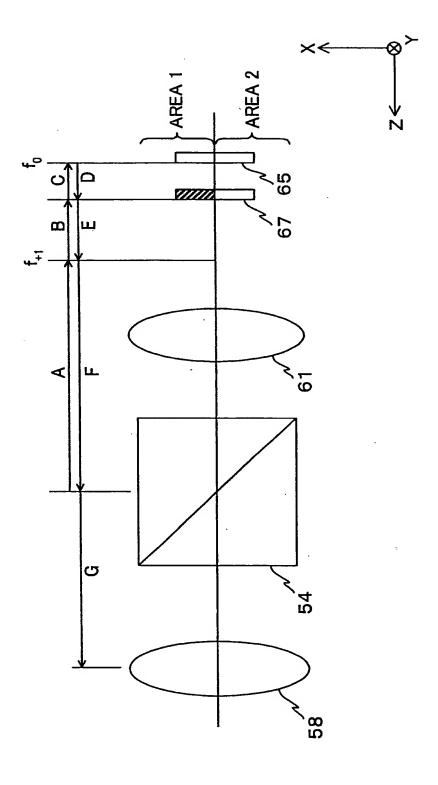
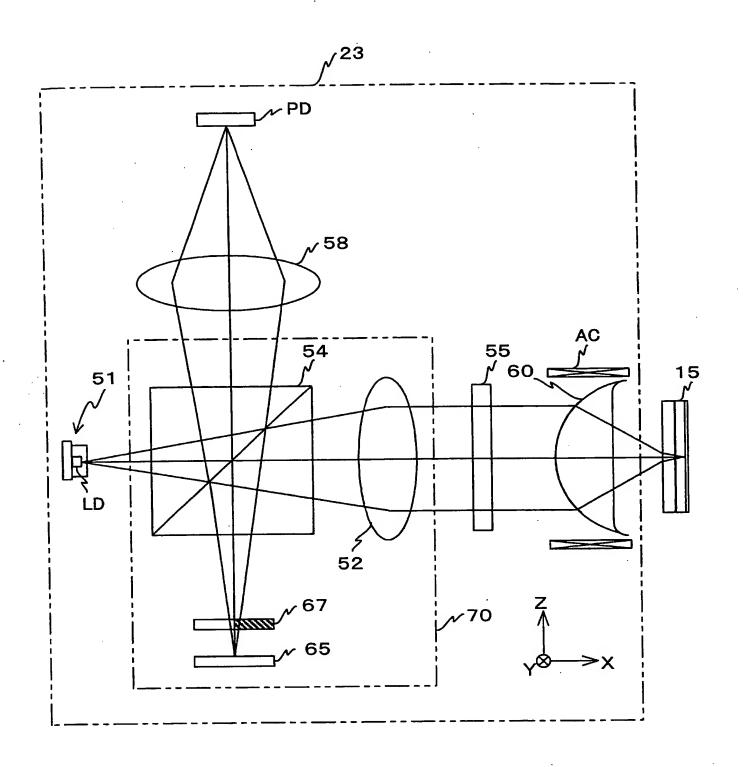


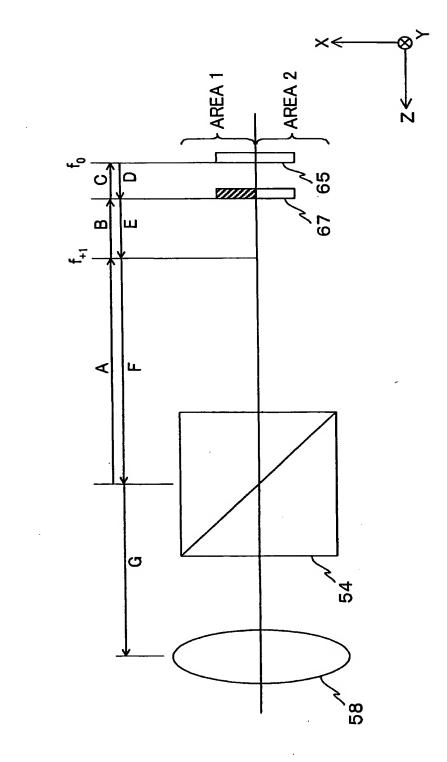
FIG.31

#### **-**1G.32

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	E	Ь	Ь	S	S	S	S	Ь	Ъ		
L PATH	Q	S	Ь	Ф	S	Ь	S.	S	Ф		
OPTICAL	0	Ь	S	Ь	S	Ь	S	۵	S		
	В	S	S	S	S	S	S	S	တ		
	A	S	S	S	S	S	S	S	S		
		AREA 1	AREA 2	AREA 1	AREA 2	AREA 1	AREA 2	AREA 1	AREA 2		
ВЕАМ		FIRST	FIRST REFLECTED LIGHT (SIGNAL LIGHT)		SECOND REFLECTED LIGHT (STRAY LIGHT)		FIRST REFLECTED LIGHT (STRAY LIGHT)		REFLECTED LIGHT (SIGNAL LIGHT)		
TARGET	RECORDING LAYER		FIRST	LAYER			SECOND	RECORDING   LAYER			

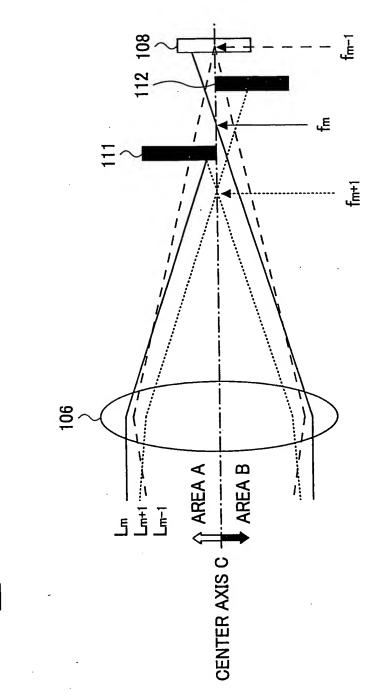
FIG.33





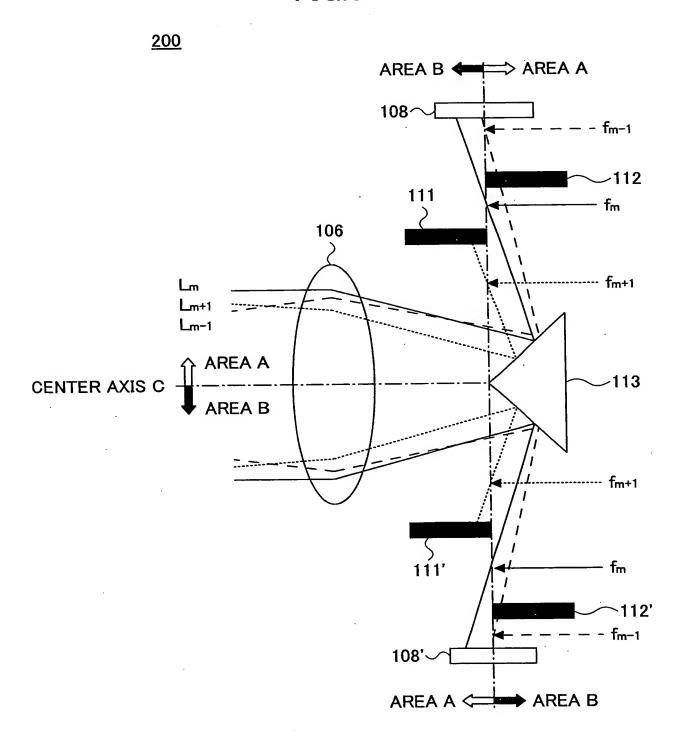
-IG.34

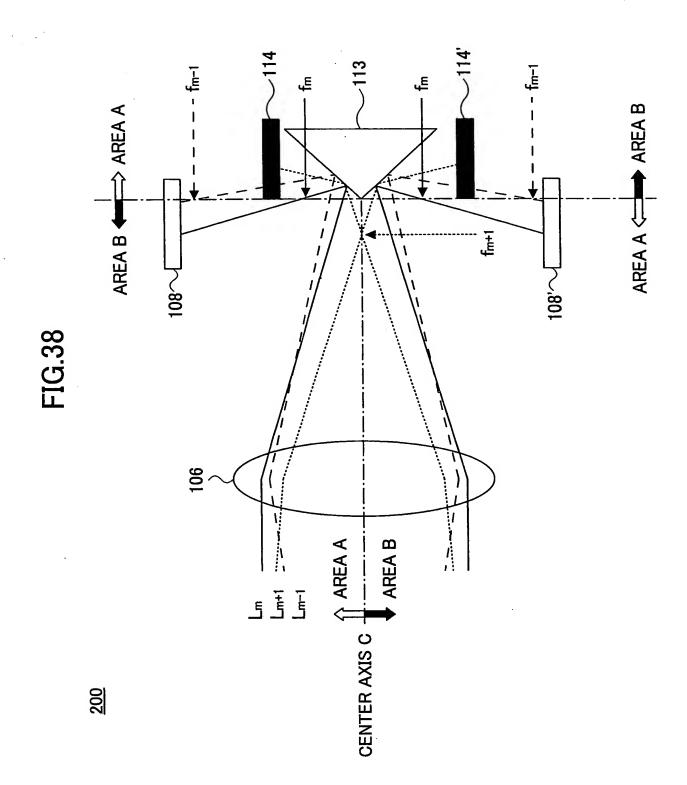
OPTICAL PATH	5	۵.	Ъ	1	1	1	ı	Ъ	۵	
	Ŀ	Ф	۵	S	S	S	S	Р	Ь	
	Ш	Ь	Ь	S	S	S	S	d	Ь	
	D	S	Ь	Ф	S	Ь	S	S	ட	
	0	Ь	S	Ь	S	d	S	Ъ	S	
	В	S	S	S	S	S	S	S	S	
	A	S	S	S	S	S	S	S	S	
		AREA 1	AREA 2	AREA 1	AREA 2	AREA 1	AREA 2	AREA 1	AREA 2	
BEAM		FIRST	FIRST REFLECTED LIGHT (SIGNAL LIGHT) SECOND		KEFLECTED LIGHT (STRAY LIGHT)	FIRST	FIRST REFLECTED LIGHT (STRAY LIGHT) SECOND REFLECTED LIGHT		REFLECTED LIGHT (SIGNAL LIGHT)	
TARGET RECORDING LAYER			FIRST RECORDING - LAYER				SECOND RECORDING LAYER			



200

**FIG.37** 





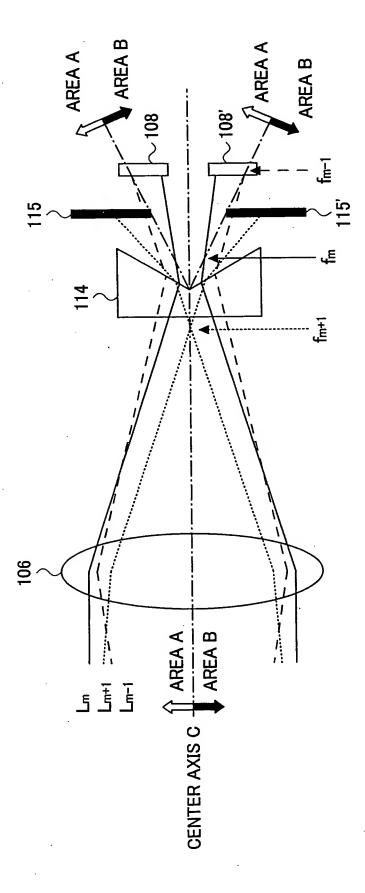
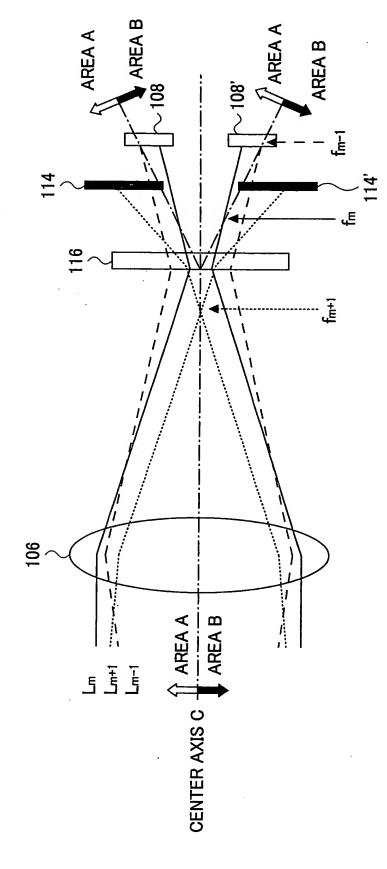
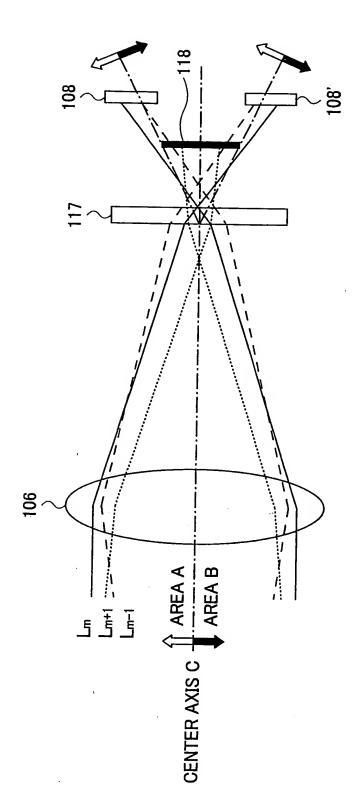


FIG.39

200



<u>200</u>



<u>200</u>

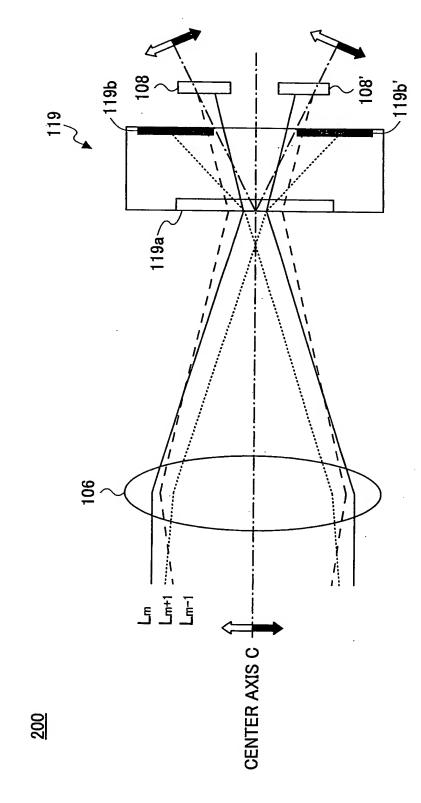
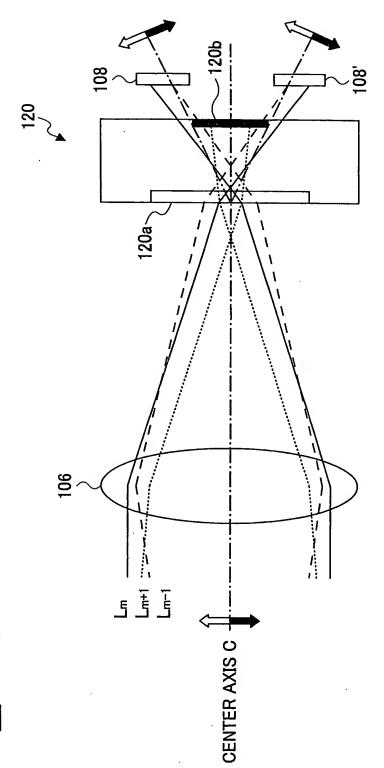
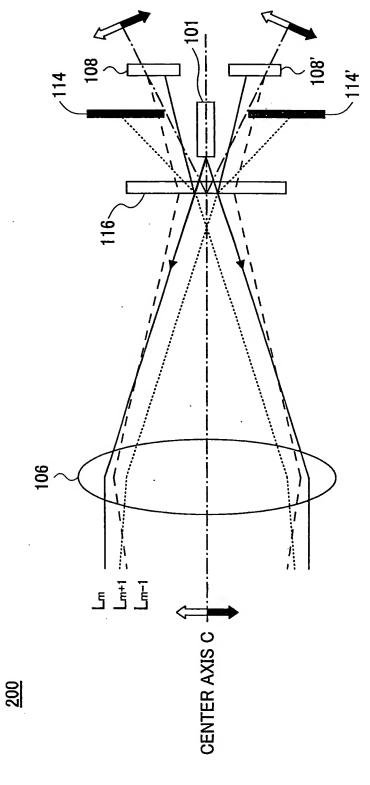


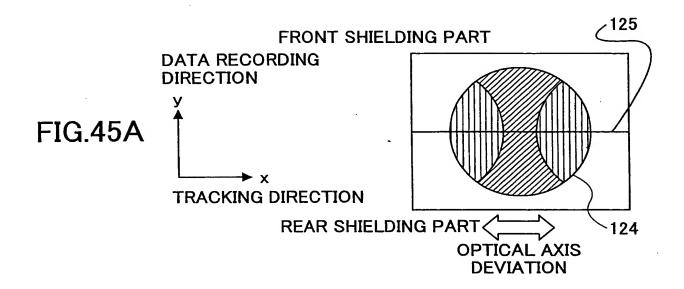
FIG.42A

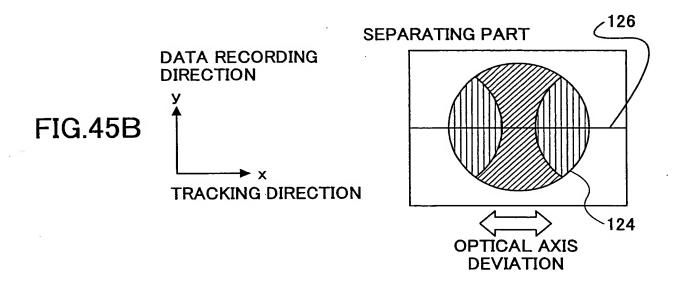


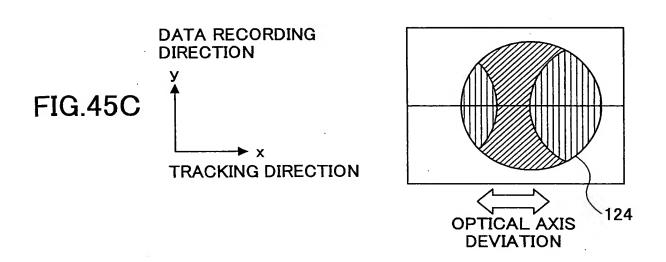


<u>200</u>









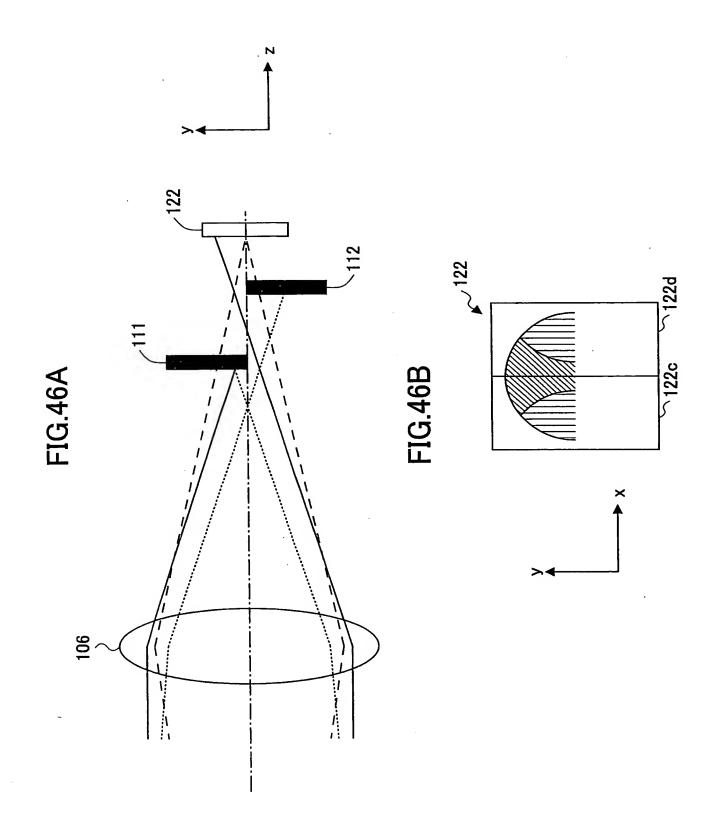


FIG.47A

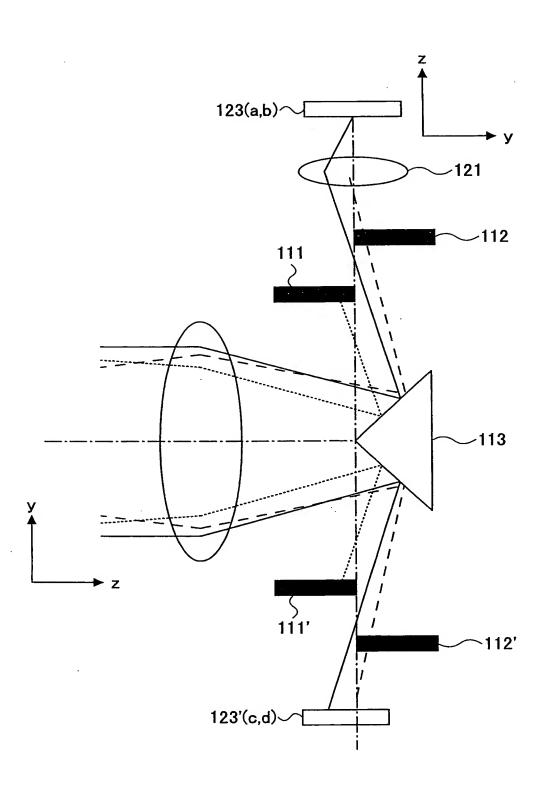
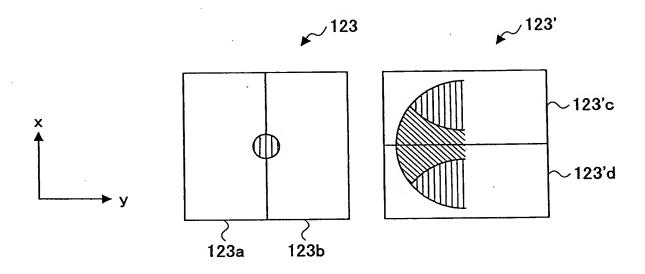


FIG.47B



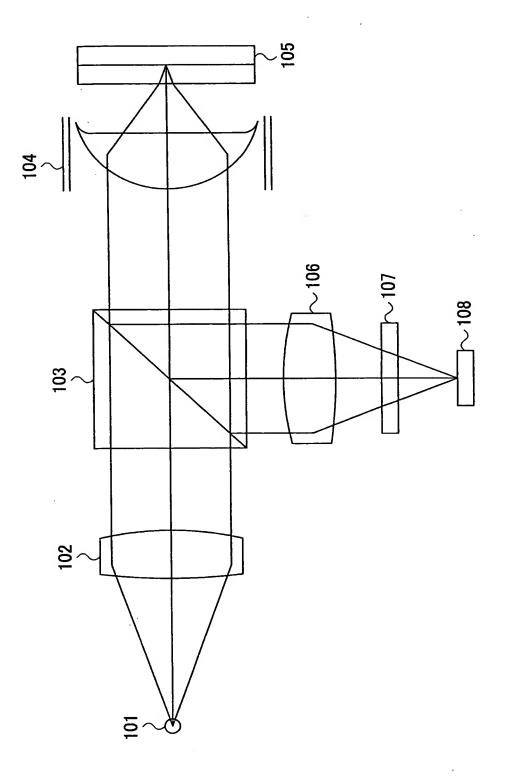


FIG.48

FIG.49

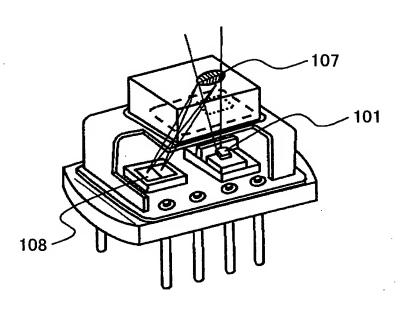
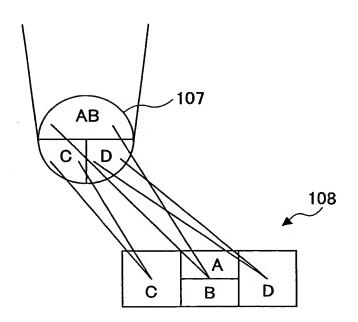
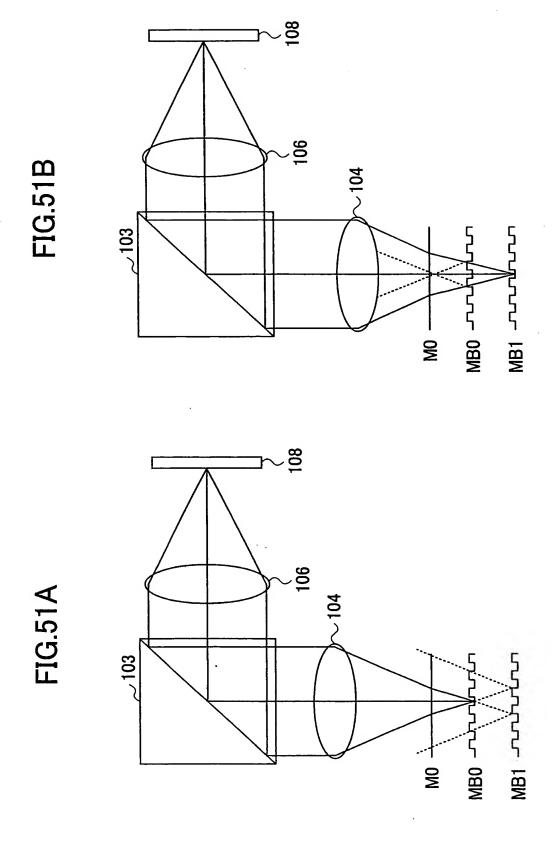
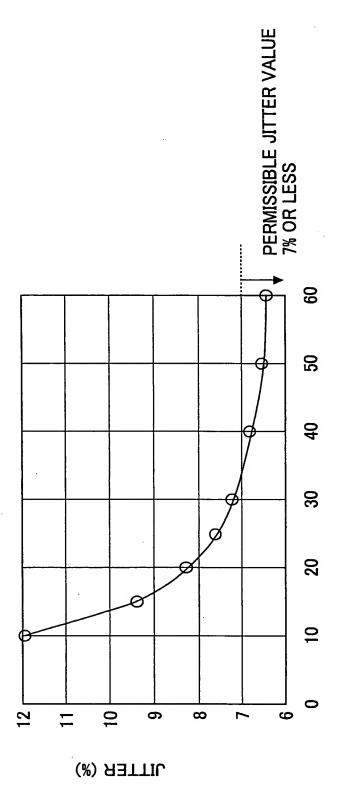


FIG.50







INTERMEDIATE LAYER THICKNESS ( $\mu$  m)

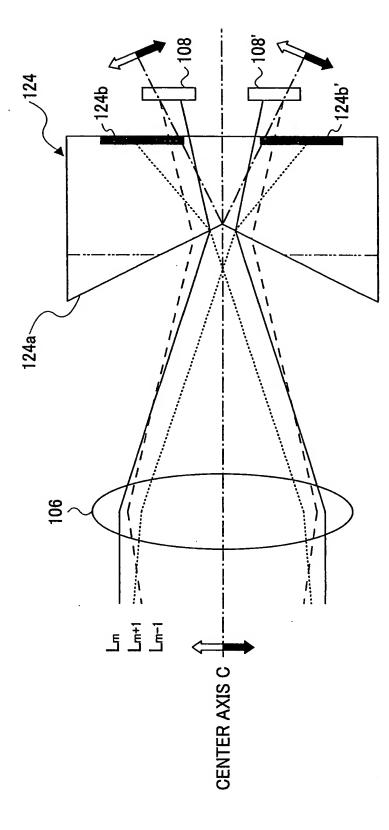


FIG.53A

